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DEPARTMENT OF THE INTERIOR
UNITED STATES GEOLOGICAL SURVEY

TO ACCOMPANY MAP MR-65



TIN OCCURRENCES IN ALASKA

By Edward H. Cobb

MAP IN MAP DRAWER

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REFERENCE LIST

The following references give data on localities that are keyed by number to locations shown on the map. The reference(s) shown for each occurrence is the most complete or the most recent available as of December 31, 1972. An asterisk (*) preceding a locality name indicates recorded production.

1. Katak Creek: Reed, 1968, p. 33-34
2. Bear Creek (Hogatza): Cobb, 1973, p. 145
3. Gold Bench: Wedow and others, 1953, p. 3
4. Boulder Creek: Mulligan and Thorne, 1959, p. 48-65
- *Cape Creek: Mulligan and Thorne, 1959, p. 20-43, 45-47; Mulligan, 1966, p. 8, 18, 20-23
- *Cape Mountain: Heide and others, 1946
- First Chance Creek: Mulligan, 1966, p. 18, 20-21, 23
- Goodwin Creek: Mulligan, 1966, p. 18-19
- *Goodwin Gulch: Mulligan, 1966, p. 8, 18-19, 23
- Percy Gulch: Brooks, 1922, p. 22
- Village Creek: Mulligan, 1966, p. 19, 33
5. *Anikovik River: Eakin, 1915, p. 91-92; Mulligan, 1959b, p. 5, 15, 17-20
- Baituk Creek: Mulligan, 1959b, p. 21-23
- Banner Creek: Mulligan, 1959b, p. 15, 19
- Buhner (Buckner) Creek: Brooks and others, 1901, p. 135-136
- Kigezruk Creek: Mulligan, 1959b, p. 21
6. *Buck Creek: Mulligan, 1965, p. 23-31, 62-64
- Diomedea (Oakland) Creek: Heide and Rutledge, 1949, p. 7, 20
- *Grouse Creek: Mulligan, 1965, p. 8-11, 24-25
- *Iron Creek: Heide and Rutledge, 1949, p. 7-8, 15
- Peluk Creek: Mulligan, 1965, p. 24, 27-30
- Potato Creek: Heide and Rutledge, 1949, p. 7, 19
- Potato Mountain: Steidtmann and Cathcart, 1922, p. 89-94; Mulligan, 1965, p. 10-12
- Sterling Creek: Knopf, 1908, p. 62
- Sutter Creek: Mulligan, 1965, p. 9-11, 24-25, 56-57
7. Bessie-Maple: Sainsbury, 1964, p. 56
- Cassiterite Creek: Steidtmann and Cathcart, 1922, p. 74; Mulligan, 1959b, p. 7
- *Lost River mine: Sainsbury, 1964
- Lost River: Mulligan, 1959b, p. 12-13
- Rapid River: Mulligan, 1959b, p. 12-13
- Tin Creek: Sainsbury, 1969, p. 79-80
- Wolframite-topaz: Knopf, 1908, p. 57-58
- Yankee Girl: Steidtmann and Cathcart, 1922, p. 80
8. Brooks Mountain: West and White, 1952, p. 3
- York Creek: Mulligan, 1959b, p. 15-16
9. Black Mountain: Sainsbury and Hamilton, 1967, p. B23
10. Crosby Creek: Mulligan, 1959a, p. 29-30, 32
- Deer Creek: Mulligan, 1959a, p. 29-30, 32
- Ear Mountain: Steidtmann and Cathcart, 1922, p. 109-111; Mulligan, 1959a, p. 33-52
- Eldorado Creek: Killeen and Ordway, 1955, p. 82; Mulligan, 1959a, p. 29-30, 32-33
- Kreuger Creek: Mulligan, 1959a, p. 24, 33
- Pinnacle Creek: Killeen and Ordway, 1955, p. 82-83; Mulligan, 1959a, p. 29-30, 32
- Quartz Creek: Killeen and Ordway, 1955, p. 82
- Step Gulch: Killeen and Ordway, 1955, p. 83
- Step Gulch Creek: Mulligan, 1959a, p. 29-30, 32
- Tin Creek: Mulligan, 1959a, p. 30, 32
- Tuttle Creek: Mulligan, 1959a, p. 21-23, 31-33
11. Glacier Creek: Anderson, 1947, p. 40
- Monument Creek: Anderson, 1947, p. 40
12. Goldbottom Creek: Moffit, 1913, p. 87
13. Rocky Mountain Creek: Anderson, 1947, p. 40
14. Dick Creek: Anderson, 1947, p. 41
15. Mascot Gulch: Collier and others, 1908, p. 320
- Washington Creek: Marsh and others, 1972, p. 2
16. Humboldt Creek: Sainsbury and others, 1968
17. Hannum Creek: Anderson, 1947, p. 41
18. American Creek: Anderson, 1947, p. 41
- *Old Glory Creek: Moffit, 1905, p. 55-56
19. Otter Creek (Foster): Herreid, 1965, p. 5
20. Foster: Mulligan, 1962, p. 39-40
- Omilak: Mulligan, 1962, p. 39-40
21. Clear Creek tributary: West, 1953, p. 7
22. Unnamed occurrence: Berryhill, 1962, p. 5-6, 11
23. Unnamed occurrence: Berryhill, 1962, p. 5-6, 11
24. Flat Creek: Mertie, 1936, p. 167
- Poorman Creek: Mertie and Harrington, 1916, p. 247
25. Spruce Creek: Chapin, 1919
- Tamarack Creek: Chapin, 1919
26. Flint Creek: Chapman and others, 1963, p. 49-50
- *Greenstone Creek: Chapman and others, 1963, p. 47-48
- *Midnight Creek: Chapman and others, 1963, p. 41-42
- Monument Creek: Chapman and others, 1963, p. 51
27. Bear Gulch: Chapman and others, 1963, p. 50-51
- Fifth of July Creek: Chapman and others, 1963, p. 49
- Long Creek: Chapman and others, 1963, p. 50-51
- *Short Creek: Chapman and others, 1963, p. 48
28. Trail Creek: Chapman and others, 1963, p. 50

29. *Birch Creek: Chapman and others, 1963, p. 42-44
Straight Creek: Chapman and others, 1963, p. 42-44
30. Big Creek: Chapman and others, 1963, p. 46
Cox Pup: Chapman and others, 1963, p. 46
*Glacier Creek: Chapman and others, 1963, p. 47
Ruby Creek: Chapman and others, 1963, p. 51
31. Mason Creek: Chapman and others, 1963, p. 35
32. Grant Creek: Smith, 1932, p. 68
33. Tozimoran Creek: Chapman and others, 1963, p. 16,
18-19, 24-32
34. Bonanza Creek: Chapman and others, 1963, p. 5,
9-13
Morelock Creek: Chapman and others, 1963, p. 5,
8-13
35. *Deep Creek and tributaries: Wayland, 1961,
p. 385-392, 408
*Idaho Gulch: Wayland, 1961, p. 382-384
*Miller Gulch: Wayland, 1961, p. 384-385
*Tofty Gulch: Wayland, 1961, p. 379-382, 405-411
*Woodchopper Creek: Wayland, 1961, p. 392-394,
408
36. *Cache Creek: Wayland, 1961, p. 374-375
*Dalton Gulch: Wayland, 1961, p. 376
Ferguson Draw: Wayland, 1961, p. 374-375
Gold Basin Creek: Wayland, 1961, p. 394-395, 399
Killarney Creek: Wayland, 1961, p. 394-395, 399
Quartz Creek: Wayland, 1961, p. 396
*Sullivan Creek: Wayland, 1961, p. 377-379
37. Eureka Creek: Wayland, 1961, p. 396
Glen Creek: Wayland, 1961, p. 396
38. Hunter Creek: Waters, 1934, p. 232
39. Quail Creek: Waters, 1934, p. 235
40. Troublesome Creek: Waters, 1934, p. 236
41. Goodluck Creek: Wedow, White, and others, 1954,
p. 3
Livengood Creek: Joesting, 1942, p. 34
42. Moose Creek: Joesting, 1942, p. 34
43. Cripple Creek: Joesting, 1942, p. 32
44. First Chance Creek: Joesting, 1942, p. 32
Goldstream Creek: Joesting, 1942, p. 32
Pedro Creek: Joesting, 1942, p. 32
Twin Creek: Prindle and Katz, 1909, p. 188
45. Dome Creek: Joesting, 1942, p. 32
Little Eldorado Creek: Prindle and Katz, 1909, p. 188
46. Bedrock Creek: Joesting, 1942, p. 32
Chatham Creek: Joesting, 1942, p. 32
Cleary Creek: Prindle and Katz, 1909, p. 188
Cleary Hill (Rhoads-Hall): Brooks, 1916, p. 35
Willow Creek: Joesting, 1943, p. 19
47. Fairbanks Creek: Joesting, 1942, p. 32
Fish Creek: Joesting, 1942, p. 32
48. Nome Creek: Wedow, Killeen, and others, 1954, p. 8
49. Sourdough Creek: Joesting, 1942, p. 32
50. Hinkley Gulch: Saunders, 1965, p. 4
51. Beaver Creek: Joesting, 1942, p. 34
Pine (Pyne) Creek: Joesting, 1942, p. 34
52. Caribou Creek: Joesting, 1942, p. 34
53. Porcupine Creek: Mertie, 1938, p. 226
Porcupine Dome: Burand, 1968, p. 29
54. Harrison Creek, North Fork: Joesting, 1942, p. 32
Independence Creek: Nelson and others, 1954, p. 13
Mastodon Creek: Joesting, 1942, p. 32
55. Deadwood Creek: Mertie, 1938, p. 237-238
56. Half Dollar Creek: Joesting, 1943, p. 19
Ketchem Creek: Wedow, White, and others, 1954,
p. 5
Portage Creek: Nelson and others, 1954, p. 13-14
57. Fox Creek: Joesting, 1942, p. 32
58. Fortymile River, North Fork: Joesting, 1943, p. 19
59. Fortyfive Pup (Gulch): Joesting, 1943, p. 19
60. Atwater Bar: Wedow, White, and others, 1954, p. 11
61. Wade Creek: Mertie, 1938, p. 166
62. Donlin Creek: Cady and others, 1955, p. 118
63. Happy Creek: Maloney, 1962, p. 21-22
64. Black Creek: Joesting, 1942, p. 35
Malamute Pup (Gulch): Maloney, 1962, p. 21
Otter Creek: Maloney, 1962, p. 21
65. Julian Creek: Wedow and others, 1952, p. 88
66. Boob Creek: Harrington, 1919, p. 350
67. Ruby Creek: White and Stevens, 1953, p. 15-16
68. Kahiltna River: Robinson and others, 1955, p. 22
69. Cache Creek: Mertie, 1919, p. 246
Dollar Creek: Mertie, 1919, p. 253
Nugget Creek: Mertie, 1919, p. 248-249
Thunder Creek: Mertie, 1919, p. 251
Willow Creek: Mertie, 1919, p. 259-260
Windy Creek: Mertie, 1919, p. 254
70. Canyon Creek: Mertie, 1919, p. 261
Poorman Creek: Mertie, 1919, p. 258
71. Golden Zone: Hawley and Clark, 1968, p. 4
72. Taylor Creek: Cady and others, 1955, p. 119

REFERENCES

- Anderson, Eskil, 1947, Mineral occurrences other than gold deposits in northwestern Alaska: Alaska Dept Mines Pamph. 5-R, 48 p.
- Berryhill, R. V., 1962, Reconnaissance sampling of beach and rivermouth deposits, Norton Bay and Kotzebue Sound, Seward Peninsula, Alaska: U.S. Bur. Mines open-file report, 13 p.
- Brooks, A. H., 1916, Antimony deposits of Alaska: U.S. Geol. Survey Bull. 649, 67 p.
- _____, 1922, The Alaskan mining industry in 1920: U.S. Geol. Survey Bull. 722, p. 7-74.
- Brooks, A. H., Richardson, G. B., and Collier, A. J., 1901, Reconnaissance of Cape Nome and adjacent gold fields of Seward Peninsula, Alaska, in Brooks, A. H., Richardson, G. B., Collier, A. J., and Mendenhall, W. C., Reconnaissance in the Cape Nome and Norton Bay regions, Alaska, in 1900: U.S. Geol. Survey Spec. Pub., p. 1-180.
- Burand, W. M., 1968, Geochemical investigations of selected areas in the Yukon-Tanana region of Alaska, 1965 and 1966: Alaska Div. Mines and Minerals Geochem. Rept. 13, 51 p.

- Cady, W. M., Wallace, R. E., Hoare, J. M., and Webber, E. J., 1955, The central Kuskokwim region, Alaska: U.S. Geol. Survey Prof. Paper 268, 132 p.
- Chapin, Theodore, 1919, Tin deposits of the Ruby district: U.S. Geol. Survey Bull. 692, p. 337.
- Chapman, R. M., Coats, R. R., and Payne, T. G., 1963, Placer tin deposits in central Alaska: U.S. Geol. Survey open-file report, 53 p.
- Cobb, E. H., 1973, Placer deposits of Alaska: U.S. Geol. Survey Bull. 1374, 213 p.
- Collier, A. J., Hess, F. L., Smith, P. S., and Brooks, A. H., 1908, The gold placers of parts of Seward Peninsula, Alaska, including the Nome, Council, Kougarok, Port Clarence, and Goodhope precincts: U.S. Geol. Survey Bull. 328, 343 p.
- Eakin, H. M., 1915, Tin mining in Alaska: U.S. Geol. Survey Bull. 622, p. 81-94.
- Harrington, G. L., 1919, The gold and platinum placers of the Tolstoi district: U.S. Geol. Survey Bull. 692, p. 339-351.
- Hawley, C. C., and Clark, A. L., 1968, Occurrences of gold and other metals in the upper Chulitna district, Alaska: U.S. Geol. Survey Circ. 564, 21 p.
- Heide, H. E., and Rutledge, F. A., 1949, Investigation of Potato Mountain tin placer deposits, Seward Peninsula, northwestern Alaska: U.S. Bur. Mines Rept. Inv. 4418, 21 p.
- Heide, H. E., Wright, W. S., and Sanford, R. S., 1946, Exploration of Cape Mountain lode-tin deposits, Seward Peninsula, Alaska: U.S. Bur. Mines Rept. Inv. 3978, 16 p.
- Herreid, Gordon, 1965, Geology of the Omilak-Otter Creek area, Bendeleben quadrangle, Seward Peninsula, Alaska: Alaska Div. Mines and Minerals Geol. Rept. 11, 12 p.
- Joesting, H. R., 1942, Strategic mineral occurrences in interior Alaska: Alaska Dept. Mines Pamph. 1, 46 p.
- _____, 1943, Supplement to Pamphlet No. 1 – Strategic mineral occurrences in interior Alaska: Alaska Dept. Mines Pamph. 2, 28 p.
- Killeen, P. L., and Ordway, R. J., 1955, Radioactivity investigations at Ear Mountain, Seward Peninsula, Alaska, 1945: U.S. Geol. Survey Bull. 1024-C, p. 59-94.
- Knopf, Adolph, 1908, Geology of the Seward Peninsula tin deposits, Alaska: U.S. Geol. Survey Bull. 358, 71 p.
- Maloney, R. P., 1962, Investigation of mercury-antimony deposits near Flat, Yukon River region, Alaska: U.S. Bur. Mines Rept. Inv. 5991, 44 p.
- Marsh, W. R., Sainsbury, C. L., Hamilton, J. C., and Ewing, Rodney, 1972, Tin in panned concentrates, Serpentine River, Seward Peninsula, Alaska: U.S. Geol. Survey open-file report, 7 p.
- Mertie, J. B., Jr., 1919, Platinum-bearing gold placers of the Kahiltna Valley: U.S. Geol. Survey Bull. 692, p. 233-264.
- _____, 1936, Mineral deposits of the Ruby-Kuskokwim region, Alaska: U.S. Geol. Survey Bull. 864-C, p. 115-255.
- _____, 1938, Gold placers of the Fortymile, Eagle, and Circle districts, Alaska: U.S. Geol. Survey Bull. 897-C, p. 133-261.
- Mertie, J. B., Jr., and Harrington, G. L., 1916, Mineral resources of the Ruby-Kuskokwim region: U.S. Geol. Survey Bull. 642, p. 223-266.
- Moffit, F. H., 1905, The Fairhaven gold placers, Seward Peninsula, Alaska: U.S. Geol. Survey Bull. 247, 85 p.
- _____, 1913, Geology of the Nome and Grand Central quadrangles, Alaska: U.S. Geol. Survey Bull. 533, 140 p.
- Mulligan, J. J., 1959a, Tin placer and lode investigations Ear Mountain area, Seward Peninsula, Alaska: U.S. Bur. Mines Rept. Inv. 5493, 53 p.
- _____, 1959b, Sampling stream gravels for tin, near York, Seward Peninsula, Alaska: U.S. Bur. Mines Rept. Inv. 5520, 25 p.
- _____, 1962, Lead-silver deposits in the Omilak area, Seward Peninsula, Alaska: U.S. Bur. Mines Rept. Inv. 6018, 44 p.
- _____, 1965, Tin-lode investigations, Potato Mountain area, Seward Peninsula, Alaska: U.S. Bur. Mines Rept. Inv. 6587, 85 p.
- _____, 1966, Tin-lode investigations, Cape Mountain area, Seward Peninsula, Alaska; with a section on petrography by W. L. Gnagy: U.S. Bur. Mines Rept. Inv. 6737, 43 p.
- Mulligan, J. J., and Thorne, R. L., 1959, Tin-placer sampling methods and results, Cape Mountain district, Seward Peninsula, Alaska: U.S. Bur. Mines Inf. Circ. 7878, 69 p.
- Nelson, A. E., West, W. S., and Matzko, J. J., 1954, Reconnaissance for radioactive deposits in eastern Alaska, 1952: U.S. Geol. Survey Circ. 348, 21 p.
- Prindle, L. M., and Katz, F. J., 1909, The Fairbanks gold-placer region: U.S. Geol. Survey Bull. 379, p. 181-200.
- Reed, B. L., 1968, Geology of the Lake Peters area, northeastern Alaska: U.S. Geol. Survey Bull. 1236, 132 p.
- Robinson, G. D., Wedow, Helmuth, Jr., and Lyons, J. B., 1955, Radioactivity investigations in the Cache Creek area, Yentna district, Alaska, 1945: U.S. Geol. Survey Bull. 1024-A, p. 1-23.
- Sainsbury, C. L., 1964, Geology of the Lost River mine area, Alaska: U.S. Geol. Survey Bull. 1129, 80 p.
- _____, 1969, Geology and ore deposits of the central York Mountains, western Seward Peninsula, Alaska: U.S. Geol. Survey Bull. 1287, 101 p.
- Sainsbury, C. L., and Hamilton, J. C., 1967, Mineralized veins at Black Mountain, western Seward Peninsula, Alaska, in Geological Survey research 1967: U.S. Geol. Survey Prof. Paper 575-B, p. B21-B25.
- Sainsbury, C. L., Kachadoorian, Reuben, Smith, T. E., and Todd, W. C., 1968, Cassiterite in gold placers at Humboldt Creek, Serpentine-Kougarok area, Seward Peninsula, Alaska: U.S. Geol. Survey Circ. 565, 7 p.
- Saunders, R. H., 1965, A geochemical investigation in the Richardson area, Big Delta quadrangle, Alaska: Alaska Div. Mines and Minerals Geochem. Rept. 3, 11 p.



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- Smith, P. S., 1932, Mineral industry of Alaska in 1929: U.S. Geol. Survey Bull. 824, p. 1-81.
- Steidtmann, Edward, and Cathcart, S. H., 1922, Geology of the York tin deposits, Alaska: U.S. Geol. Survey Bull. 733, 130 p.
- Waters, A. E., Jr., 1934, Placer concentrates of the Rampart and Hot Springs districts: U.S. Geol. Survey Bull. 844-D, p. 227-246.
- Wayland, R. G., 1961, Tofty tin Belt, Manley Hot Springs district, Alaska: U.S. Geol. Survey Bull. 1058-1, p. 363-414.
- Wedow, Helmuth, Jr., and others, 1953, Preliminary summary of reconnaissance for uranium and thorium in Alaska, 1952: U.S. Geol. Survey Circ. 248, 15 p.
- Wedow, Helmuth, Jr., Killeen, P. L., and others, 1954, Reconnaissance for radioactive deposits in eastern interior Alaska, 1946: U.S. Geol. Survey Circ. 331, 36 p.
- Wedow, Helmuth, Jr., White, M. G., and Moxham, R. M., 1952, Interim report on an appraisal of the uranium possibilities of Alaska: U.S. Geol. Survey open-file report, 123 p.
- Wedow, Helmuth, Jr., White, M. G., and others, 1954, Reconnaissance for radioactive deposits in east-central Alaska, 1949: U.S. Geol. Survey Circ. 335, 22 p.
- West, W. S., 1953, Reconnaissance for radioactive deposits in the Darby Mountains, Seward Peninsula, Alaska, 1948: U.S. Geol. Survey Circ. 300, 7 p.
- West, W. S., and White, M. G., 1952, The occurrence of zeunerite at Brooks Mountain, Seward Peninsula, Alaska: U.S. Geol. Survey Circ. 214, 7 p.
- White, M. G., and Stevens, J. M., 1953, Reconnaissance for radioactive deposits in the Ruby-Poorman and Nixon Fork districts, west-central Alaska, 1949: U.S. Geol. Survey Circ. 279, 19 p.